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# Materials Checklist

This checklist will help you assemble and review your supplies for each session. Quantities of each item are not listed, as that will be determined by the size of your group. Additional details about the materials needed are available in the session write-ups.

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## Elements and You

- ☐ Examples of a pure elements (copper, aluminum, lead, etc.)
- ☐ Pound cake
- ☐ Knife
- ☐ Napkins or paper plates
- ☐ Large periodic table to display
- ☐ Large mixing bowl
- ☐ Rice
- ☐ Unpopped popcorn
- ☐ Macaroni
- ☐ Uncooked beans
- ☐ Uncooked black-eyed peas
- ☐ Multi-colored cake decorating sprinkle shapes
- ☐ Scoops or Dixie cups
- ☐ Trail mix key
- ☐ Red modelling clay
- ☐ Yellow modelling clay
- ☐ Orange modelling clay
- ☐ Green modelling clay
- ☐ Blue modelling clay
- ☐ Model star clay colors key
- ☐ Trash can or trash bag

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## Rainbow Analysis

- ☐ Paper towel tubes

- ☐ Aluminum foil
- ☐ Masking tape
- ☐ Diffraction grating
- ☐ Example spectrum (poster, etc)
- ☐ Discharge lamps (optional)
- ☐ Completely blacked-out room (optional)

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## **Supernova Explosion**

- ☐ Colored balloons
- ☐ Empty soda cans
- ☐ Hot plate (or Bunsen burner and screen/ring setup)
- ☐ Heavy oven mitts or tongs
- ☐ Large bowl
- ☐ Cold water
- ☐ Hoberman sphere
- ☐ Basketball
- ☐ Tennis ball

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## **Black Holes in Orbit**

- ☐ Tennis ball
- ☐ 36 inch circumference loops of heavy gauge wire
- ☐ 60 inch circumference loops of heavy gauge wire
- ☐ Paper headbands
- ☐ Glow-in-the-dark stickers and/or decorations
- ☐ Tape or stapler
- ☐ Flashlights with batteries
- ☐ Red cellophane to cover flashlight lenses
- ☐ Tissue paper party decorations
- ☐ Room with adequate space to move around
- ☐ Completely blacked-out room (optional)